

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

High-02 mainstem 10-01-0-02

AWC Volume SE SC SW W AR IN USGS Quad Cordova D8

Anadromous Water Catalog Number of Waterway 221-40-11060

Name of Waterway _____ USGS name _____ Local name _____

Addition ☒ Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 183</u>	<u>JOD</u>	<u>11/18/94</u>
Revision Year: <u>'94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Weir</u>	<u>1/7/94</u>
Both <u>X</u>	<u>2. Drone</u>	<u>2/9/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon / Adult	8/23/93	1050			<input checked="" type="checkbox"/>
Coho Salmon / juvenile	8/23/93		2		<input checked="" type="checkbox"/>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Adult pink salmon were visually identified in the intertidal pond at the mouth of the stream during a foot survey. A subsequent helicopter flyover showed a school of approximately 700 adult pinks in the intertidal pond. 350 adult pinks had entered the mainstem above the pond. Two juvenile coho salmon were dipnetted in the mainstem, 40 meters upstream of the pond. Channel width at the mouth is 4 meters and at the barrier (2 meter high falls) is 5 meters. Adult pinks extend to the barrier and stream gradient is 2%.

ALASKA DEPT. OF
FISH & GAME

Name of Observer (please print) Dan Gray NOV 03 1993
Date: 9/30/93 Signature: Dan Gray
Address: ADFG 333 Raspberry Rd
Anchorage, AK REGION II
WATER AND RESTORATION
DIVISION

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Bligh 2 (3) 2 QUAD: Cordova DB STAGE: H (M) L
 LANDOWNER: Chenega CAC Eyak (Tatitlek) Pt. Graham English Bay (circle one)
 DATE(s): 8/23/93 UTM ZONE: 6
 GPS FILES: B082322A

SKETCH (indicate UTM zones if not uniform throughout the stream)

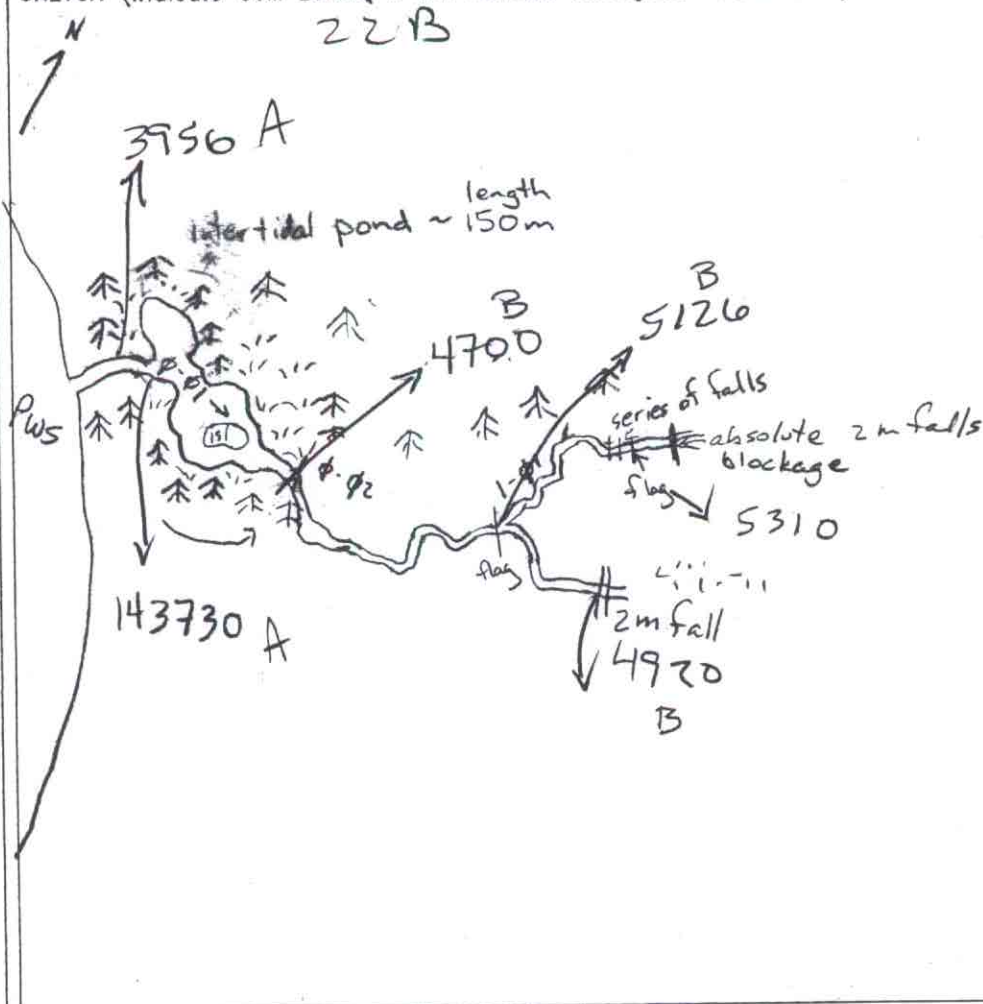


PHOTO ROLL(s):

FRAME DESCRIPTION

VIDEO TAPE(s): WG 1

DATE

8/23 Segment Break $\phi-\phi_1 / \phi-\phi_2$
8/23 1- ϕ_1 mid seg

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Bligh 02 3 SEGMENT: 0-01 DATE: 8/23/03 TEAM: JB/DG
 ANADROMOUS: y n WIDTH (m): LENGTH (m): GPS DATE: 8/23 DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: Intertidal Lagoon

FISH				WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT
<u>pinkys</u>	<u>A</u>	<u>700</u> <u>10</u> <u>1000</u>	<u>✓</u>			

GRADIENT(%): 1 CHANNEL PROFILE: V D U U U U U
 A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: (rank three most predominant types)
 BEDROCK BOULDER RUBBLE COBBLE
 GRAVEL 2 SAND 1 MUD/SILT ORGANICS 3 OTHER:

STREAM COVER TYPE: ORGANIC DEBRIS DEAD BRANCHES/TWIGS ✓ LOGS ✓ BOULDERS
 CUT BANK OVERHANGING VEGET. ✓ OTHER:

STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: spruce
 UNDERSTORY: Aquatic vegetation (grass) Hemlock

CANOPY ABOVE STREAM: none low medium high

GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? y n BARRIER TO SPECIES: adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): DIST. FROM UPPER EXTENT (m):

PHOTO ROLL(s): <u>JB 03</u>		VIDEO TAPE(s): <u> </u>	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>34</u>	<u>Top of lagoon looking toward ocean</u>		
<u>35</u>	<u>Top of lagoon looking upstream at segment 0-02</u>		

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"
 (Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Bligh Rd 3 02 SEGMENT: 0-02 DATE: 8/23/93 TEAM: AG/JB
 ANADROMOUS: 0 n WIDTH (m): 4 - 5 LENGTH (m): _____ GPS DATE: 8/23 DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
<u>Pink</u>	<u>A</u>	<u>350-400</u>	<u>V</u>		<u>Land Otter</u>		
<u>Can</u>	<u>J</u>	<u>2</u>	<u>D</u>		<u>Land Otter</u>	<u>3</u>	<u>Tracks</u>

GRADIENT(%): 2 CHANNEL PROFILE: V A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE 3 COBBLE 1
 GRAVEL 2 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS X LOGS X BOULDERS _____
 CUT BANK X OVERHANGING VEGET. X OTHER: _____

STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: Hemlock Spice
 UNDERSTORY: Salmon berry Bileberry Alder

CANOPY ABOVE STREAM: none low medium high

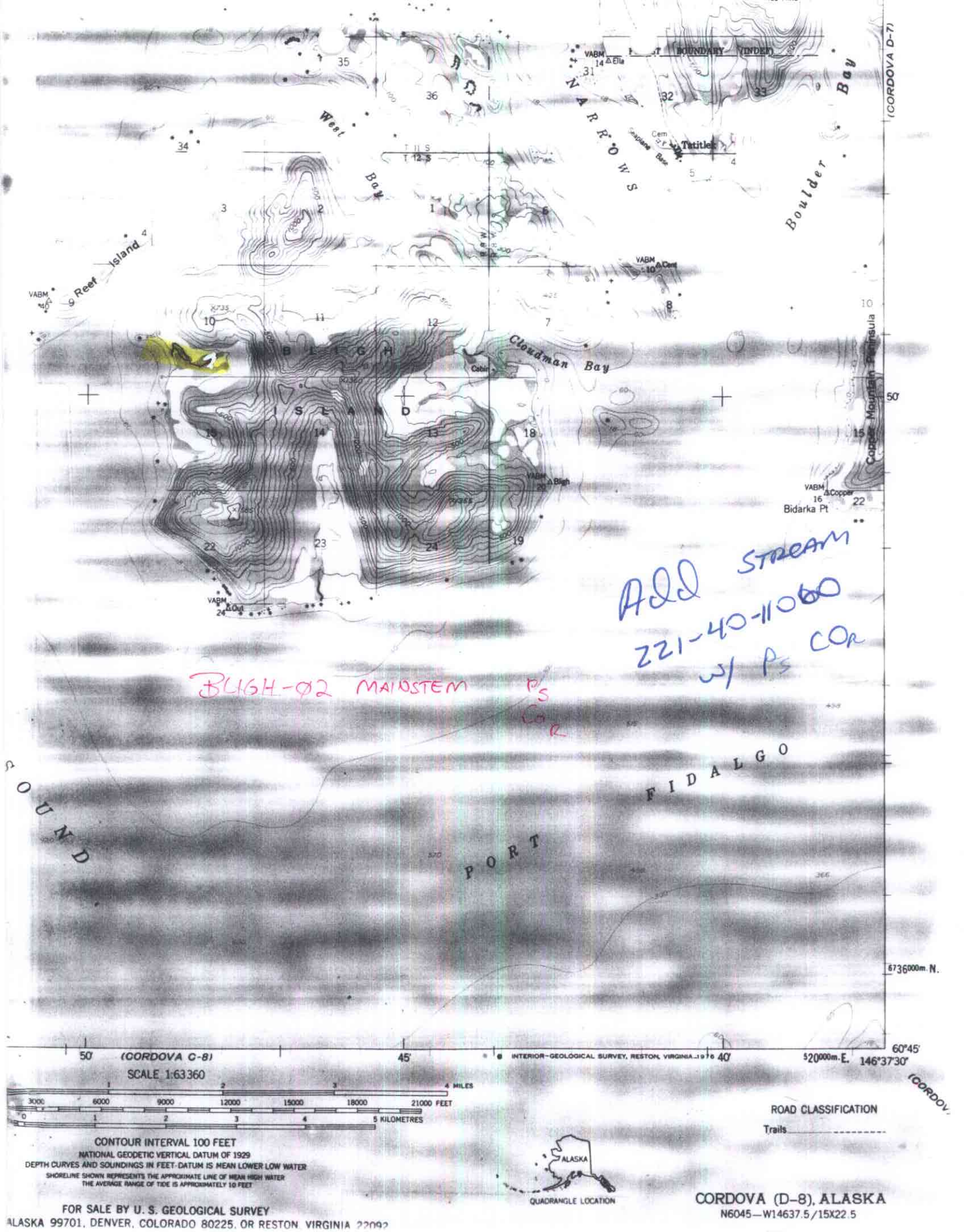
GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? 0 n BARRIER TO SPECIES: All adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 2 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): <u>51304</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>2</u>	<u>midsegment looking downstream</u>		

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"
 (Please enter comments on the other side)



BLIGH-02 MAIDSTEM

P3
COR

ADD STREAM
221-40-11060
w/ P3 COR

CORDOVA C-8)
SCALE 1:63360

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA 1976 40

520000m.E. 146°37'30"

6736000m. N.

60°45'

CORDOVA

ROAD CLASSIFICATION

Trails

CONTOUR INTERVAL 100 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOWER LOW WATER

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 10 FEET

FOR SALE BY U. S. GEOLOGICAL SURVEY

ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092



CORDOVA (D-8), ALASKA

N6045-W14637.5/15X22.5

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

DATE: November 3, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

SUBJECT: Anadromous Stream
Nominations
and Corrections
Project R-51

FROM: Kathrin Sundet
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

Attached are anadromous stream nominations and corrections to be included in the Anadromous Waters Catalog for 53 streams surveyed in the fall of 1993 on private lands held by the Tatitlek and Eyak Native Corporations in northeast Prince William Sound.

Streams were surveyed by the Alaska Department of Fish and Game, Habitat and Restoration Division personnel, Kathrin Sundet, Jeff Barnhart, Dan Grey, and Wes Ghormley as part of Exxon Valdez Oil Spill Restoration project R-51 aka SHA (Stream Habitat Assessment).

Streams were surveyed on foot from the intertidal zone to the upper extent of anadromous fish distribution. Adult salmon and Dolly Varden were visually identified and enumerated. Juvenile salmon were visually identified in the stream, and then captured by electroshocking, dipnet, or minnow trap to confirm identification. Sampling was conducted periodically along the stream to determine the presence of juvenile salmon. No attempt was made to determine the rearing population sizes of juvenile salmon, or to determine the total escapement of adult salmon in a stream.

Stream data are on file at the Alaska Department of Fish and Game, Habitat and Restoration office, 333 Raspberry Road, Anchorage, Alaska.

There substantial discrepancies among shorelines on the USGS quad sheets, the DNR shoreline, and observed shorelines in this area. In some cases I have attached enlarged plots generated from GPS data and the DNR shoreline to the nomination form in order to illustrate the differences.

Attachments

cc w/o Attachments: Lance Trasky
Don McKay
Mark Kuwada